

Title: Heterostructure solar glass

Generated on: 2026-02-20 11:24:21

Copyright (C) 2026 SMART SYSTEMS S.L. All rights reserved.

-----

Performance enhancement strategies for 2D heterostructure solar cells such as light-trapping technique, charge carrier dynamics, and interface engineering have been ...

Performance enhancement strategies for 2D heterostructure solar cells such as light-trapping technique, charge carrier dynamics, and ...

These heterostructures are highly suitable for bifunctional, self-cleaning and anti-reflective coating applications on building glass and photovoltaic glass covers.

Interface engineering plays a critical role in advancing the performance of perovskite solar cells. As such, 2D/3D perovskite ...

Interface engineering plays a critical role in advancing the performance of perovskite solar cells. As such, 2D/3D perovskite heterostructures are of particular interest due ...

The samples were encapsulated using ultra-thin glass and exposed to 532 nm lasers, which were calibrated to 1 sun condition by adjusting the power and optical density.

A standardized model is presented for evaluating the efficiency of spectral converters integrated into PV glass, systematically assessing spectral absorption and ...

In this work, a simulation study of a heterojunction solar cell was performed with SCAPS (a solar cell simulator) using TiO<sub>2</sub> as an n-type and CuO as a p-type layer.

A standardized model is presented for evaluating the efficiency of spectral converters integrated into PV glass, systematically ...

Transparent, anti-reflective, visible-light-driven photocatalytically active and superhydrophilic heterostructure coating have been synthesized on glass substrates.

Website: <https://www.smart-telecaster.es>

